WHAT IS CLAIMED IS:

An endoscopic debris extraction device comprising:
a support filament comprising a first end portion;

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a sheath comprising a lumen, the support filament disposed in the lumen such that the sheath is slideable with respect to the support filament;

a collapsible rake carried by the first end portion of the support filament, the rake comprising a plurality of shafts, each shaft comprising a respective raking portion that extends laterally away from the respective shaft;

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the sheath movable with respect to the rake between a first position, in which the shafts are received within the lumen of the sheath, and a second position, in which the shafts extend beyond the sheath and hold the raking portions in position for stone raking operations.

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- 2. The invention of Claim 1 wherein the raking portions comprise bent portions of the shafts.
- 3. The invention of Claim 1 wherein the raking portions comprise looped end portions on the shafts.

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- 4. The invention of Claim 1 wherein the raking portions are received within the lumen of the sheath in the first position.
- 5. The invention of Claim 1 wherein the raking portions are smoothly rounded at an exposed end.
- 6. The invention of Claim 1 further comprising rounded balls at exposed ends of the raking portions.

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7. The invention of Claim 3 wherein the looped end portions are joined to the shafts at an angle.

8.	The invention of Claim 3 wherein there is a smooth transition from the
looped	d end portions to the shafts.

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- 9. The invention of Claim 1 wherein the shafts are formed continuously with the support filament.
- 10. The invention of Claim 1 wherein the shafts are secured to the support filament.

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- 11. The invention of Claim 1 wherein the shafts comprise a shape memory metal.
- 12. The invention of Claim 11 wherein the shape memory metal comprises nitinol.
 - 13. The invention of Claim 1 wherein the shafts comprise a polymer.
 - 14. The invention of Claim 1 wherein the shafts comprise a plastic.

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- 15. The invention of Claim 1 wherein the shafts comprise a metal alloy.
- 16. The invention of Claim 1 further comprising transversely extending elements between the shafts.

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